

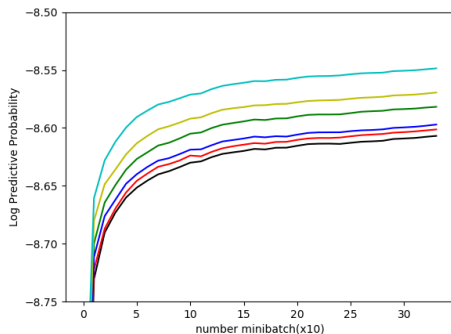
Biterm Topic Model

Nguyễn Bá Cường

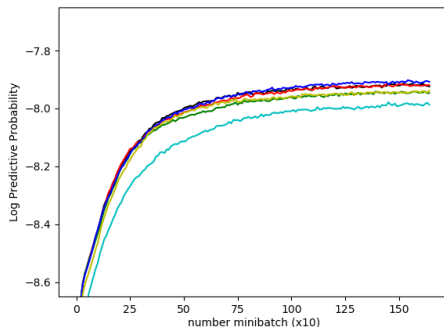
School of Information and Communication Technology Hanoi University of Science and Technology

Data Science Lab , 2017

Tập dữ liệu NYT, $K=50$, đo đo perplexity



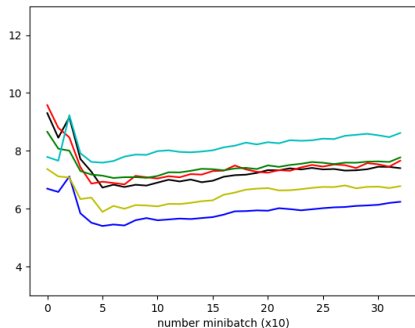
(a) Online Gibbs sampling



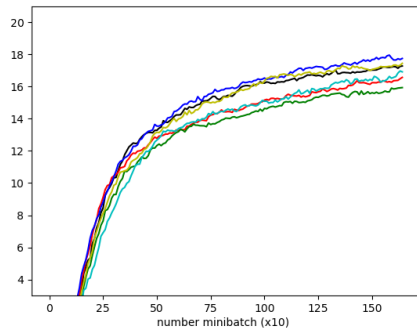
(b) Online VB



Tập dữ liệu NYT, $K = 50$, sử dụng độ đo NPMI



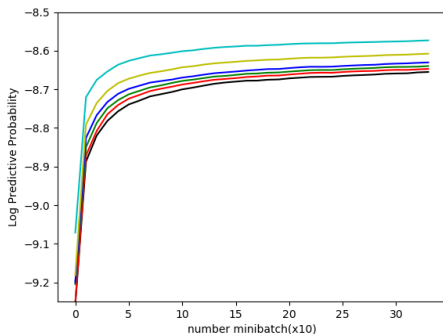
(c) Online Gibbs sampling



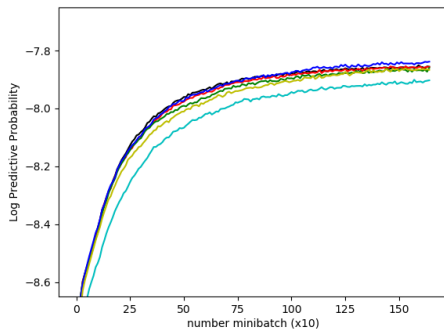
(d) Online VB



Tập dữ liệu NYT, $K = 100$, sử dụng độ đo perplexity



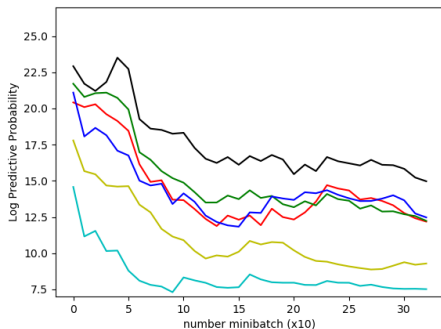
(e) Online Gibbs sampling



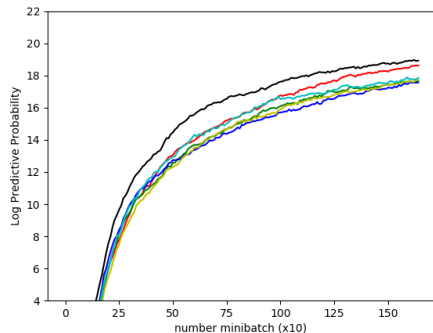
(f) Online VB



Tập dữ liệu NYT, $K = 100$, sử dụng độ đo NPMI



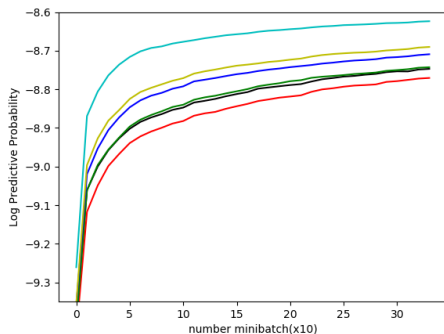
(g) Online Gibbs sampling



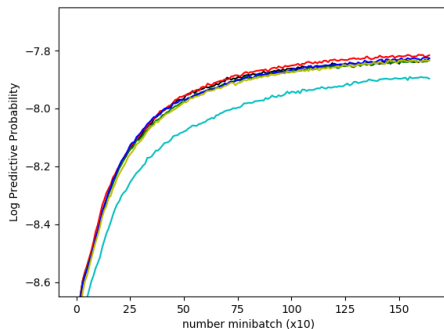
(h) Online VB



Tập dữ liệu NYT, $K=150$, đo đo perplexity



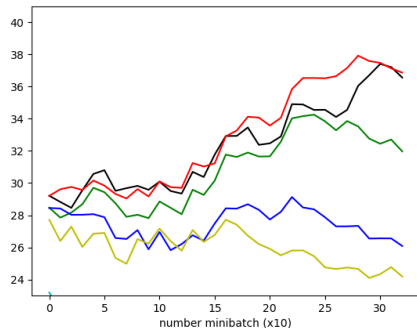
(i) Online Gibbs sampling



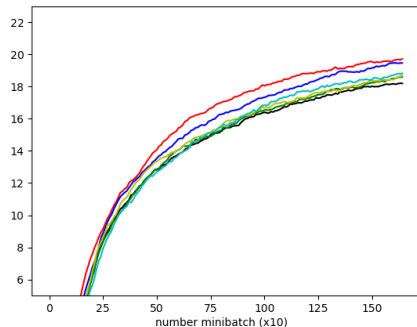
(j) Online VB



Tập dữ liệu NYT, $K = 150$, sử dụng độ đo NPMI



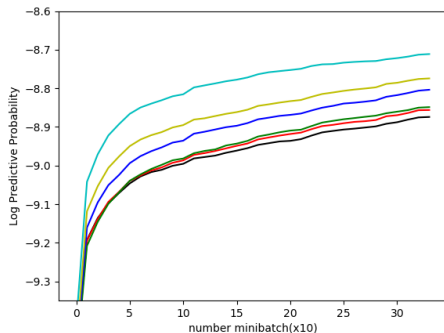
(k) Online Gibbs sampling



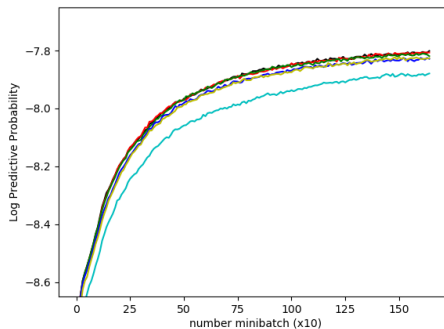
(l) Online VB



Tập dữ liệu NYT, $K=200$, đo độ perplexity



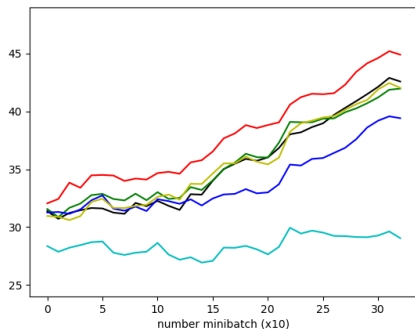
(m) Online Gibbs sampling



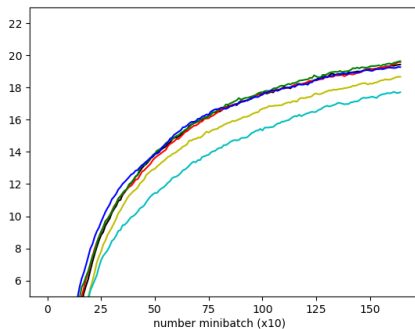
(n) Online VB



Tập dữ liệu NYT, $K = 200$, sử dụng độ đo NPMI



(o) Online Gibbs sampling



(p) Online VB

